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Method and apparatus for determining vehicle operating conditions and providing warning or intervention in response to conditions



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1. A control system for a vehicle comprising: a GPS system generating a vehicle position for a vehicle relative to a surface; a plurality of driver inputs; a plurality of vehicle inputs; a controller coupled to the GPS system, the plurality of driver inputs and the plurality of vehicle inputs, said controller determining a predicted path in response to the plurality of vehicle inputs and a desired path in response to the GPS system, said controller performing a comparison of the predicted path and the desired path, said controller generating a warning or intervention in response to the comparison.
2. A control system as recited in claim 1 wherein said controller performs the comparison based on the collinearity of a confidence level.
3. A control system as recited in claim 1 wherein said controller performs the comparison based on a linear regression model, said threshold corresponding to an estimated error.
4. A control system as recited in claim 1 wherein the linear regression model is based on angle, yaw angle and vehicle speed.
5. A control system as recited in claim 1 wherein the plurality of vehicle input

20. A control system as recited in claim 19 wherein the linear regression model includes a pitch angle, yaw angle and vehicle speed.

21. A method of controlling an automotive vehicle comprising: generating a vehicle signal for a vehicle relative to a surface; generating a plurality of driver inputs and a plurality of vehicle inputs; determining a predicted path in response to the plurality of driver inputs and the vehicle inputs and a desired path in response to the vehicle position; comparing the predicted path and the desired path; and generating a control signal to the vehicle in response to the comparison.

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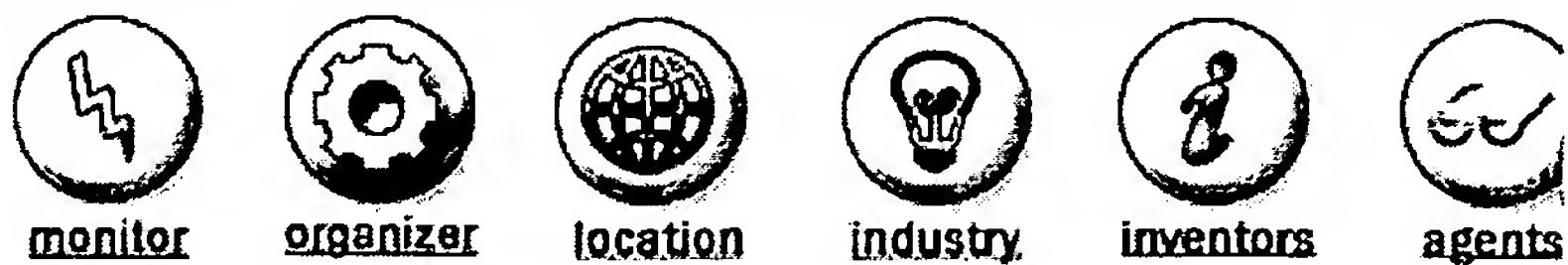
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System and method for driving portable multimedia player



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A system for driving a mobile multimedia player where a mobile disk driver p
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mobile multimedia player, OS level control and control with a manager tool ca
the mobile multimedia player can correspond to the mobile disk driver and the
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Agent: [Jonathan Y. Kang, Esq.](#) [Lee, Hong, Degerman, Kang & Schmadeka - \]](#)

Inventors: [Dong Chul Kim](#), [Seak Woo Cho](#)

Class: 701001000 (USPTO), G06F007/00 (Intl Class)

[Brief Patent Description](#) - [Full Patent Description](#) - [Patent Application Claim](#)

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] Pursuant to 35 U.S.C. sctn. 119(a), this application claims the benefit of
right of priority to Korean Application No. 10-2003-74731, filed on Oct. 24, 2
is hereby incorporated by reference herein in its entirety.



Application Number

IDS Flag Clearance for Application



Content	Mailroom Date	Entry Number	IDS Review	Reviewer
M844	10-30-2003	9	<input checked="" type="checkbox"/>	04-07-2004 18:02:33 eburns

Day : Thursday

Date: 7/6/2006
Time: 14:47:48 **PALM INTRANET****Application Number Information**Application Number: **10/605768****Assignments**Filing or 371(c) Date: **10/24/2003**Effective Date: **10/24/2003**Application Received: **10/24/2003**Pat. Num./Pub. Num: **/20050090938**Issue Date: **00/00/0000**Date of Abandonment: **00/00/0000**Attorney Docket Number: **202-0553**Status: **30 /DOCKETED NEW CASE - READY FOR EXAMINATION** Status Date: **04/07/2004**Confirmation Number: **2767**Examiner Number: **74138 / NGUYEN, CUONG**Group Art Unit: **3661** IFW IMAGEClass/Subclass: **701/001.000**Lost Case: **NO**

Interference Number:

Unmatched Petition: **NO**L&R Code: Secrecy Code: **1**Third Level Review: **NO** Secrecy Order: **NO**Oral Hearing: **NO**Title of Invention: **METHOD AND APPARATUS FOR DETERMINING VEHICLE
OPERATING CONDITIONS AND PROVIDING A WARNING OR INTERVENTION IN
RESPONSE TO THE CONDITIONS**

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04/07/2004	30	DOCK	CASE DOCKETED TO EXAMINER IN GAU
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01/26/2004		COMP	APPLICATION IS NOW COMPLETE
01/16/2004		L194	CLEARED BY OIPE CSR
01/16/2004		CLSS	CASE CLASSIFIED BY L&R
10/31/2003		SCAN	IFW SCAN & PACR AUTO SECURITY REVIEW
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